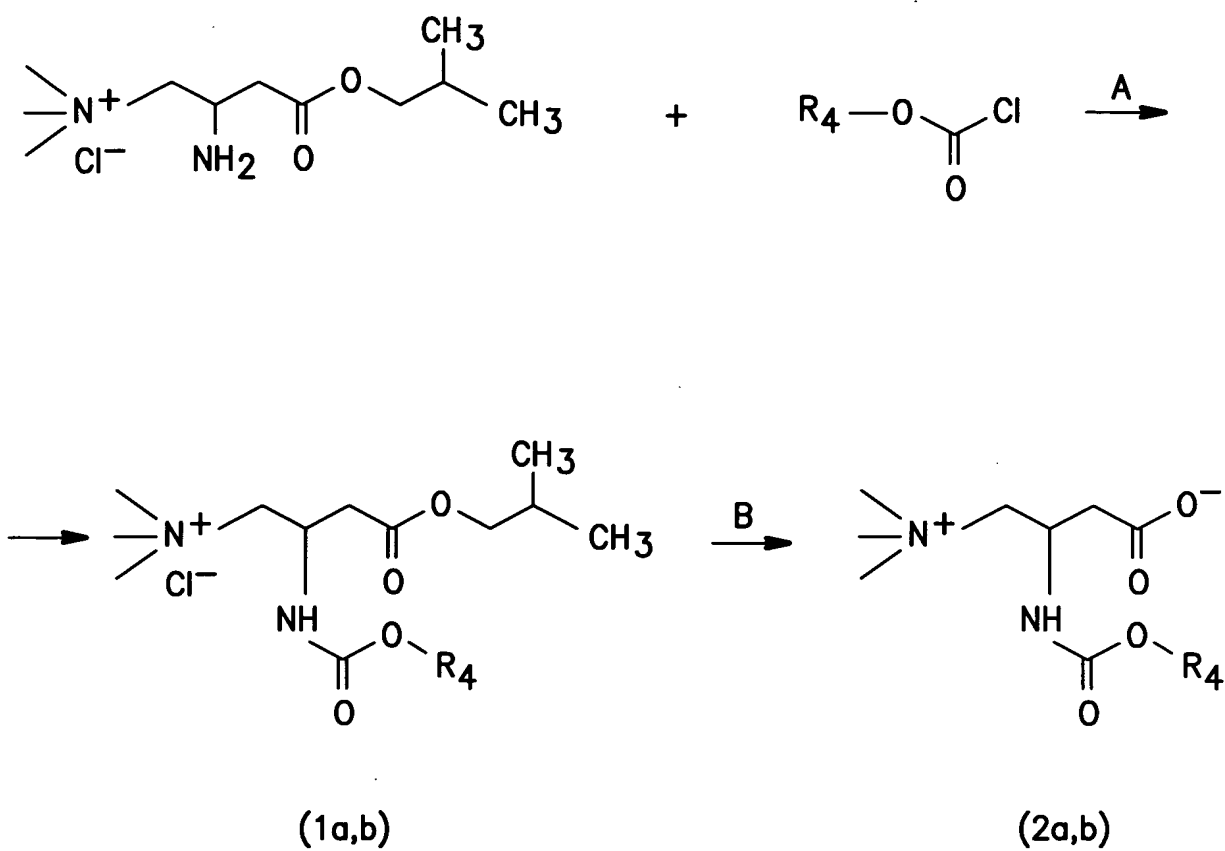


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Fig. 1

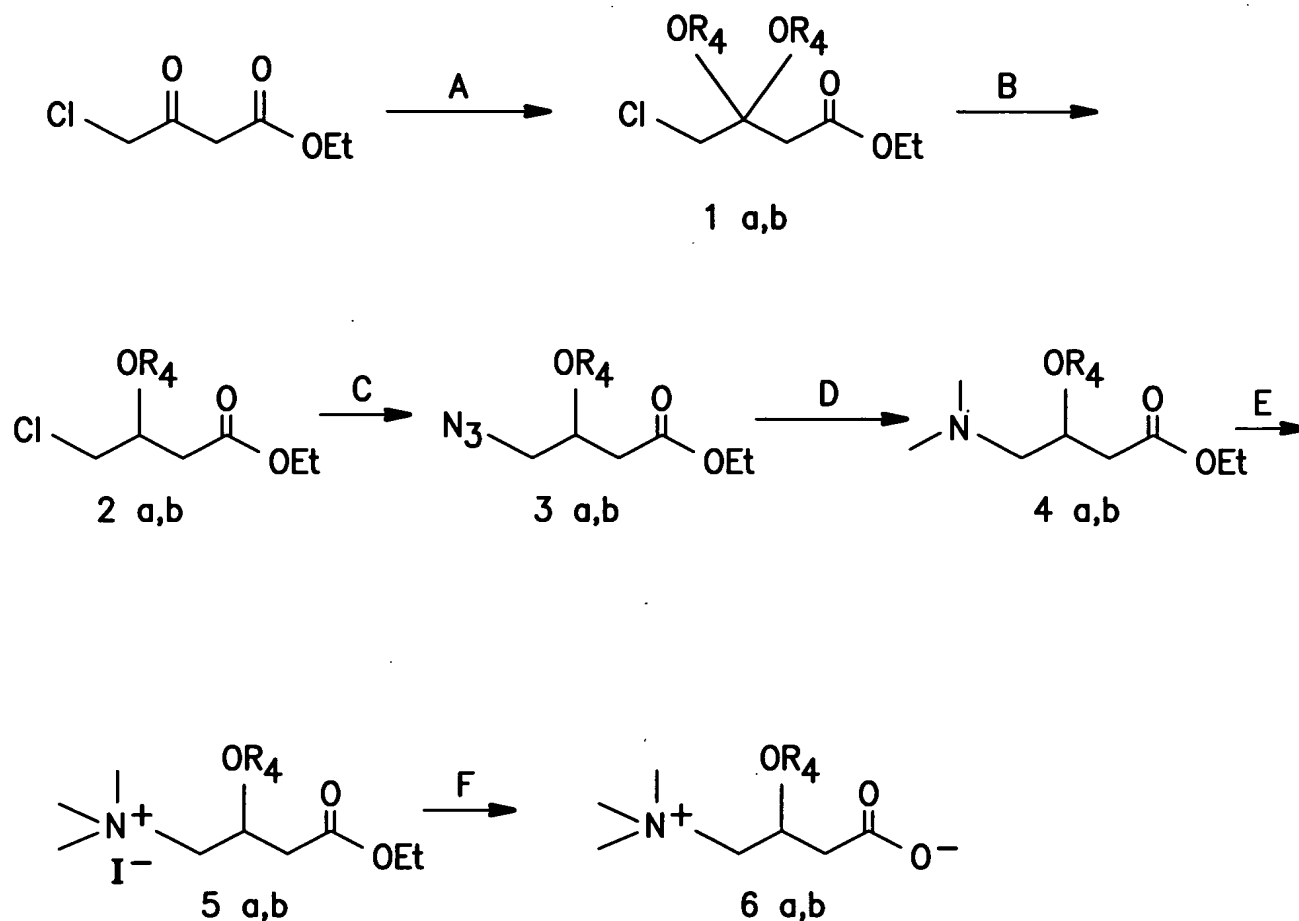


$\text{R}_4 =$ a) $-(\text{CH}_2)_7\text{CH}_3$
 b) $-(\text{CH}_2)_8\text{CH}_3$

A) base
 B) IRA 402/OH⁻form

APPROVED	O. G. FIG.
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DRAFTSMAN	SUBCLASS
	514 305

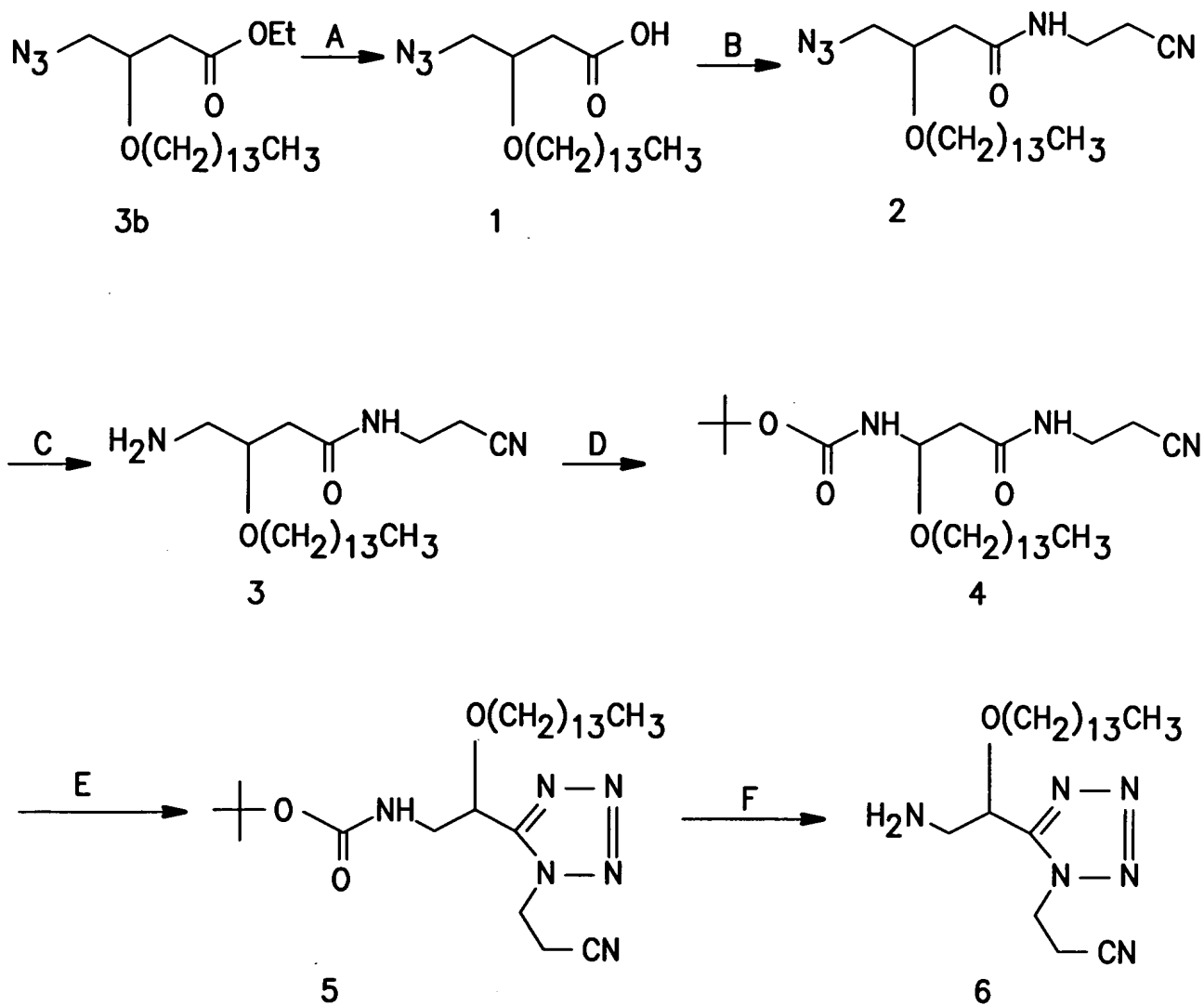
Fig. 2



$R_4 =$ a) $-(CH_2)_7CH_3$
 b) $-(CH_2)_{13}CH_3$

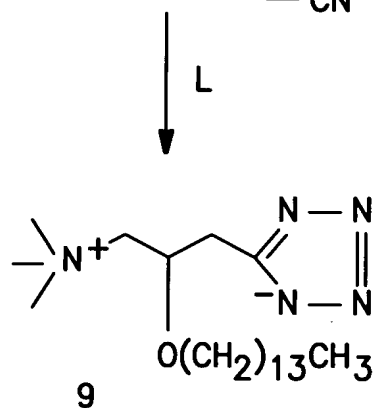
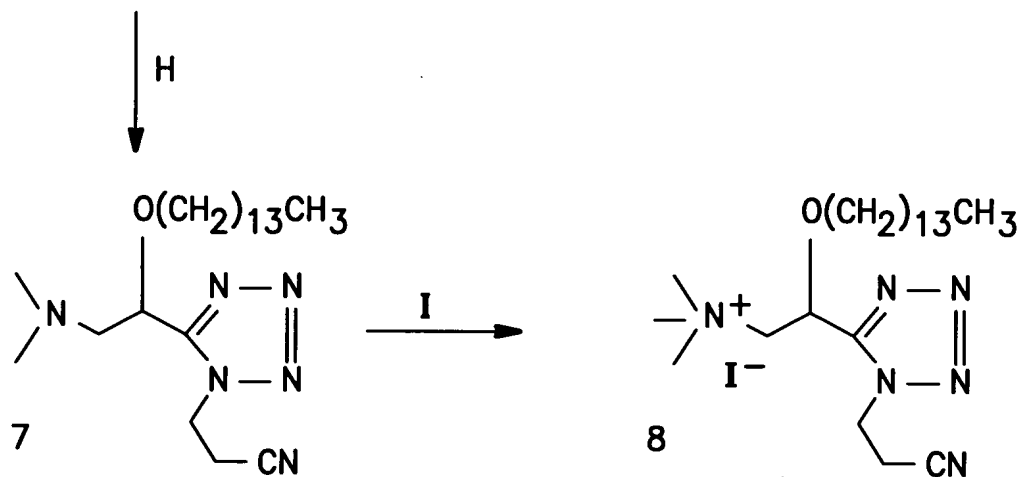
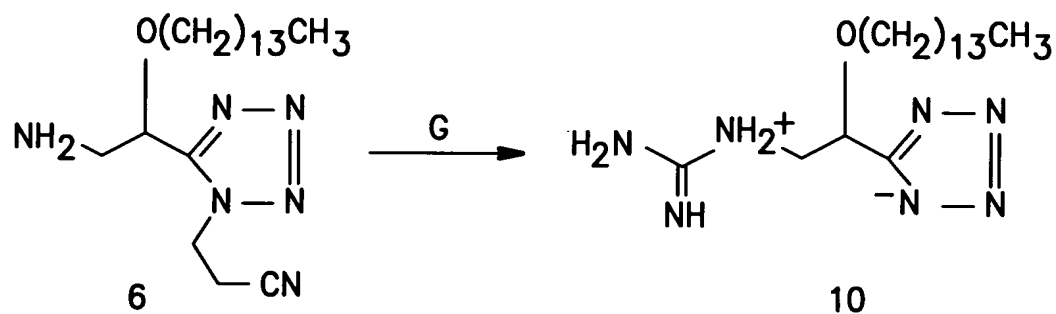
A) $R_4OH, SOCl_2$
 B) $Et_3SiH, BF_3 \cdot Et_2O$
 C) NaN_3
 D) $Pd/C, H_2, HCHO$
 E) CH_3I
 F) $IRA\ 402\ OH^-$

Fig. 3A



- A) NaOH 4N, MeOH, 16h, t.a
 B) $H_2NCH_2CH_2CN$, DMF, TEA, DEPC
 C) THF, Ph_3P
 D) $(BOC)_2O$, NaOH IN
 E) THF, PH_3P , DEAD, Et_3SiN_3
 F) HCl 3N, NaOH IN

Fig. 3B

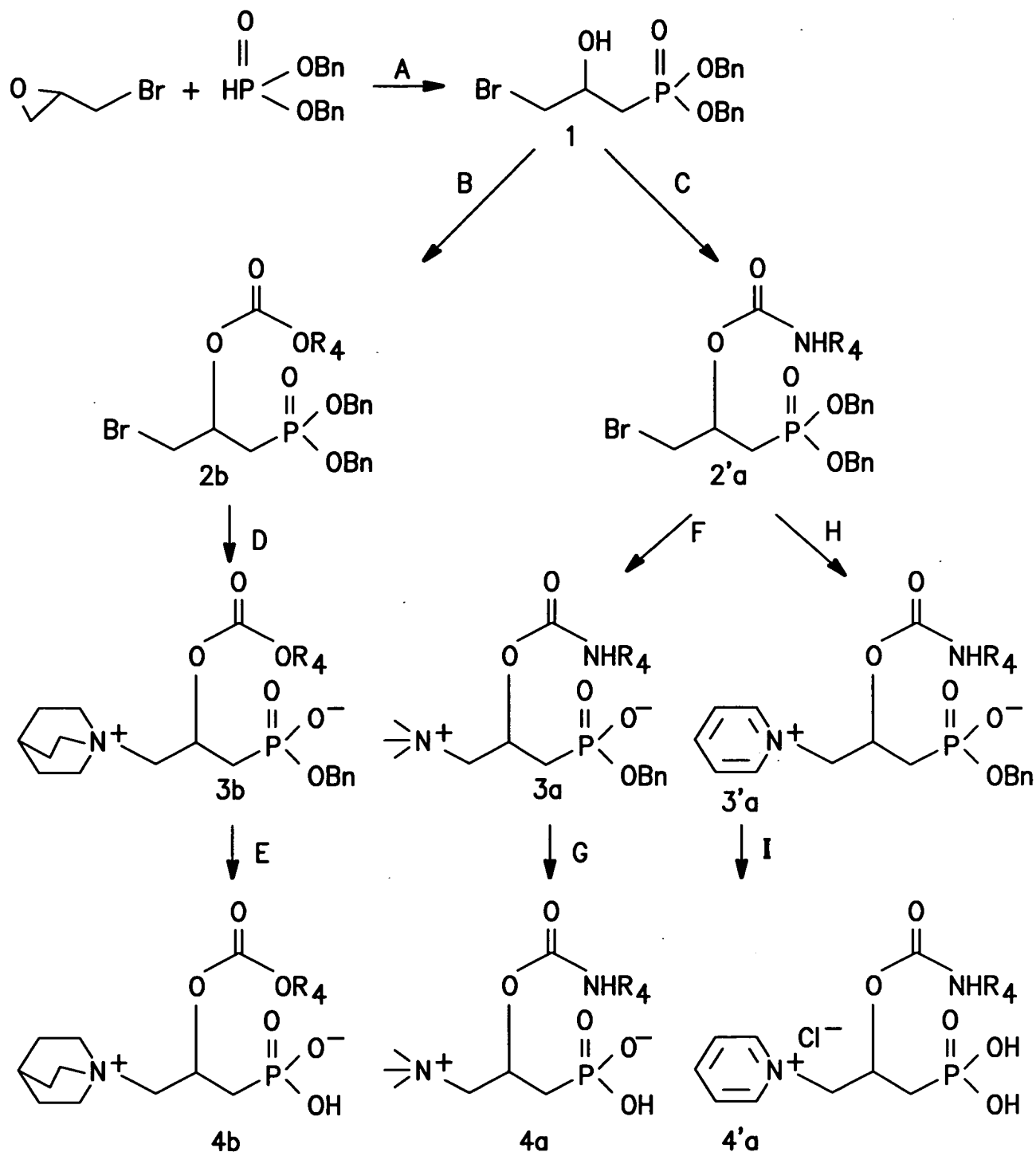


G) NC(=O)S(=O)(=O)O, NaOH IN

H) OC=O, C=O

I) CI

L) IRA 402 attiv. OH^-



R₄ = a) -(CH₂)₇CH₃
 b) -(CH₂)₁₃CH₃

A) 1) BuLi 2) BF₃ · Et₂O
 B) R₄OCOCN, Base
 C) R₄N=C=O, BF₃ · Et₂O
 D) Quinuclidine F) Trimethylamine
 H) Pyridine
 E=G) H₂, Pd/C

Fig. 4